

## Answer Key

### Test 2A

March 11, 2005

McMurry, Chapters 5-7.6

#### Part I

1. d
2. c
3. c
4. d
5. e
6. c
7. e
8. b

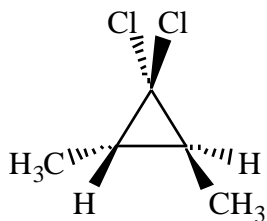
#### Part II

1. (3E)-3,7-dimethyl-1,3,6-octatriene
2.  $A > C > B$

#### Part III

1. 4-bromo-2,2-dimethylpentane  
3-bromo-2,2-dimethylpentane  
2-bromo-2,3-dimethylpentane
2. 1)  $\text{BH}_3$ , THF;  
2)  $\text{H}_2\text{O}_2$ ,  $\text{OH}^-$

3.



4. bromocyclohexane  $\rightarrow$  cyclohexene  $\rightarrow$  *trans*-1,2-dichlorocyclohexane

5.

